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8	95	((ECC or (error adj3 correct\$4) or FEC) and ((speech or vocal) near4 recogn\$5) and detect\$4) and synthes\$3 and replac\$4	USPAT; EPO; JPO; DERWENT	2004/06/15 16:50
9	23	((ECC or (error adj3 correct\$4) or FEC) and ((speech or vocal) near4 recogn\$5) and detect\$4) and synthes\$3 and replac\$4 and (phonem\$3 or diphon\$3)	USPAT; EPO; JPO; DERWENT	2004/06/15 16:51
10	13	((ECC or (error adj3 correct\$4) or FEC) and ((speech or vocal) near4 recogn\$5) and detect\$4) and synthes\$3 and replac\$4 and (phonem\$3 or diphon\$3) and receiver	USPAT; EPO; JPO; DERWENT	2004/06/15 16:51
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12	13	((ECC or (error adj3 correct\$4) or FEC or (forward adj2 error adj2 corrrec\$4)) and ((speech or vocal) near4 recogn\$5) and detect\$4) and synthes\$3 and replac\$4 and (phonem\$3 or diphon\$3) and receiver and (stor\$3 or memory or buffer)	USPAT; EPO; JPO; DERWENT	2004/06/15 16:55
13	11	((ECC or (error adj3 correct\$4) or FEC or (forward adj2 error adj2 corrrec\$4)) and ((speech or vocal) near2 recogn\$5) and detect\$4) and synthes\$3 and replac\$4 and (phonem\$3 or diphon\$3) and receiver and (stor\$3 or memory or buffer)	USPAT; EPO; JPO; DERWENT	2004/06/15 16:55
14	0	((speech or vocal) near2 recogn\$5) same (detect\$4 near3 corrup\$3) same synthes\$3 same replac\$4	USPAT; EPO; JPO; DERWENT	2004/06/15 16:56
15	1	((speech or vocal) near2 recogn\$5) same detect\$4 same synthes\$3 same replac\$4	USPAT; EPO; JPO; DERWENT	2004/06/15 16:57
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18	107	((speech or vocal) near2 recogn\$5) and (error near3 detect\$4) and synthes\$3	USPAT; EPO; JPO; DERWENT	2004/06/15 16:58
19	12	((speech or vocal) near2 recogn\$5) and (error near3 detect\$4) and (synthes\$3 same replac\$4)	USPAT; EPO; JPO; DERWENT	2004/06/15 16:59

20	7	((speech or vocal) near2 recogn\$5) and (error near3 detect\$4) and (synthes\$3 near10 replac\$4)	USPAT; EPO; JPO; DERWENT	2004/06/15 16:59
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1 Speech production by a mechanical model: Construction of a vocal tract and its control by neural network

Higashimoto, T.; Sawada, H.;

Robotics and Automation, 2002. Proceedings. ICRA '02. IEEE International Conference on , Volume: 4 , 11-15 May 2002

Pages:3858 - 3863 vol.4

[[Abstract](#)] [[PDF Full-Text \(677 KB\)](#)] **IEEE CNF**

2 Area estimation from ARMA analysis based on vocal-tract model

Miki, N.; Saga, S.; Motoki, K.; Miyanaga, Y.; Nagai, N.;

Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '86. , Volume: 11 , Apr 1986

Pages:1613 - 1615

[[Abstract](#)] [[PDF Full-Text \(152 KB\)](#)] **IEEE CNF**

3 Speaker individualities of vocal tract shapes of Japanese vowels measured by magnetic resonance images

Chang-Sheng Yang; Kasuya, H.;

Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Conference on , Volume: 2 , 3-6 Oct. 1996

Pages:949 - 952 vol.2

[[Abstract](#)] [[PDF Full-Text \(296 KB\)](#)] **IEEE CNF**

4 Speech synthesis using stochastic Markov graphs

Eichner, M.; Wolff, M.; Ohnewald, S.; Hoffmann, R.;

Acoustics, Speech, and Signal Processing, 2001. Proceedings. (ICASSP '01). 2 IEEE International Conference on , Volume: 2 , 7-11 May 2001

Pages:829 - 832 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(376 KB\)\]](#) IEEE CNF

5 The impact of speech recognition on speech synthesis

Ostendorf, M.; Bulyko, I.;

Speech Synthesis, 2002. Proceedings of 2002 IEEE Workshop on , 11-13 Sept 2002

Pages:99 - 106

[\[Abstract\]](#) [\[PDF Full-Text \(891 KB\)\]](#) IEEE CNF

6 Dolphin vocalisation analysis using an ADSP 21020

Jones, J.C.; Browne, R.W.; di Meglio, A.; Wang, L.S.;

DSP Chips in Real-Time Instrumentation and Display Systems (Digest No: 1997/300), IEE Colloquium on , 24 Sept. 1997

Pages:10/1 - 10/5

[\[Abstract\]](#) [\[PDF Full-Text \(500 KB\)\]](#) IEE CNF

7 Speech synthesis from vocal tract area function acoustical measurements

Tousignant, B.; Lefevre, J.-P.; Lecours, M.;

Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '79. , Volume: 4 , Apr 1979

Pages:921 - 924

[\[Abstract\]](#) [\[PDF Full-Text \(76 KB\)\]](#) IEEE CNF

8 Determining vocal tract shape by applying dynamic constraints

Kuc, R.; Tuteur, F.; Vaisnys, J.;

Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '85. , Volume: 10 , Apr 1985

Pages:1101 - 1104

[\[Abstract\]](#) [\[PDF Full-Text \(88 KB\)\]](#) IEEE CNF

9 Development of a new human-like talking robot having advanced vocal tract mechanisms

Nishikawa, K.; Takanobu, H.; Mochida, T.; Honda, M.; Takanishi, A.;

Intelligent Robots and Systems, 2003. (IROS 2003). Proceedings. 2003 IEEE/ International Conference on , Volume: 2 , 27-31 Oct. 2003

Pages:1907 - 1913 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(632 KB\)\]](#) IEEE CNF

10 Speech based automatic lie detection

Gadallah, M.E.; Matar, M.A.; Algezawi, A.F.;

Radio Science Conference, 1999. NRSC '99. Proceedings of the Sixteenth National , 23-25 Feb. 1999

Pages:C33/1 - C33/8

[\[Abstract\]](#) [\[PDF Full-Text \(480 KB\)\]](#) IEEE CNF



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1 Utilization of contextual constraints in automatic speech recognition

Alter, R.;

Audio and Electroacoustics, IEEE Transactions on , Volume: 16 , Issue: 1 , Mar 1968

Pages:6 - 11

[\[Abstract\]](#) [\[PDF Full-Text \(672 KB\)\]](#) IEEE JNL

2 Some experiments with a linguistic processor for continuous speech recognition

Levinson, S.;

Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Signal Processing], IEEE Transactions on , Volume: 31 , Issue: 6 , Dec 1983

Pages:1549 - 1556

[\[Abstract\]](#) [\[PDF Full-Text \(968 KB\)\]](#) IEEE JNL

3 On the use of linguistic consistency in systems for human-computer dialogues

Esteve, Y.; Raymond, C.; De Mori, R.; Janiszek, D.;

Speech and Audio Processing, IEEE Transactions on , Volume: 11 , Issue: 6 , 2003

Pages:746 - 756

[\[Abstract\]](#) [\[PDF Full-Text \(521 KB\)\]](#) IEEE JNL

4 Graceful degradation of speech recognition performance over packet erasure networks

Boulis, C.; Ostendorf, M.; Riskin, E.A.; Otterson, S.;

Speech and Audio Processing, IEEE Transactions on , Volume: 10 , Issue: 8 ,

2002
Pages:580 - 590

[\[Abstract\]](#) [\[PDF Full-Text \(379 KB\)\]](#) IEEE JNL

5 An error-protected speech recognition system for wireless communications

Weerackody, V.; Reichl, W.; Potamianos, A.;

Wireless Communications, IEEE Transactions on , Volume: 1 , Issue: 2 , April

Pages:282 - 291

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) IEEE JNL

6 Interactive translation of conversational speech

Waibel, A.;

Computer , Volume: 29 , Issue: 7 , July 1996

Pages:41 - 48

[\[Abstract\]](#) [\[PDF Full-Text \(892 KB\)\]](#) IEEE JNL

7 On the generation and use of a parallel-branch subunit model in continuous HMM

Park, Y.K.; Un, C.K.;

Speech and Audio Processing, IEEE Transactions on , Volume: 4 , Issue: 4 , Ju 1996

Pages:290 - 293

[\[Abstract\]](#) [\[PDF Full-Text \(332 KB\)\]](#) IEEE JNL

8 Implementing the Viterbi algorithm

Lou, H.-L.;

Signal Processing Magazine, IEEE , Volume: 12 , Issue: 5 , Sept. 1995

Pages:42 - 52

[\[Abstract\]](#) [\[PDF Full-Text \(964 KB\)\]](#) IEEE JNL

9 Estimating hidden Markov model parameters so as to maximize speech recognition accuracy

Bahl, L.R.; Brown, P.F.; de Souza, P.V.; Mercer, R.L.;

Speech and Audio Processing, IEEE Transactions on , Volume: 1 , Issue: 1 , Jan 1993

Pages:77 - 83

[\[Abstract\]](#) [\[PDF Full-Text \(648 KB\)\]](#) IEEE JNL

10 Integrating detailed information into a language model

Ruiqiang Zhang; Black, E.; Finch, A.; Sagisaka, Y.;

Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2000 IEEE International Conference on , Volume: 3 , 5-9 June 2000

Pages:1595 - 1598 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) IEEE CNF

11 A codec for speech recognition in a wireless system*Reichl, W.; Weerackody, V.; Potamianos, A.;*

EUROCOMM 2000. Information Systems for Enhanced Public Safety and Secur

IEEE/AFCEA , 17 May 2000

Pages:34 - 37

[\[Abstract\]](#) [\[PDF Full-Text \(416 KB\)\]](#) [IEEE CNF](#)**12 Neural network noisy speech recognition and understanding with information feedback***Jiang Minghu; Yuan Baozong; Lin Biqin;*

Intelligent Processing Systems, 1997. ICIPS '97. 1997 IEEE International

Conference on , Volume: 2 , 28-31 Oct. 1997

Pages:1781 - 1784 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(438 KB\)\]](#) [IEEE CNF](#)**13 Empirical evaluation of interactive multimodal error correction***Suhm, B.;*

Automatic Speech Recognition and Understanding, 1997. Proceedings., 1997

Workshop on , 14-17 Dec. 1997

Pages:583 - 590

[\[Abstract\]](#) [\[PDF Full-Text \(440 KB\)\]](#) [IEEE CNF](#)**14 Noise tolerance of output-coded neural net***Al-Mashouq, K.A.;*

Digital Signal Processing Workshop Proceedings, 1996., IEEE , 1-4 Sept. 1996

Pages:442 - 445

[\[Abstract\]](#) [\[PDF Full-Text \(384 KB\)\]](#) [IEEE CNF](#)**15 Error correction via a post-processor for continuous speech recogn***Ringger, E.K.; Allen, J.F.;*

Acoustics, Speech, and Signal Processing, 1996. ICASSP-96. Conference

Proceedings., 1996 IEEE International Conference on , Volume: 1 , 7-10 May

Pages:427 - 430 vol. 1

[\[Abstract\]](#) [\[PDF Full-Text \(396 KB\)\]](#) [IEEE CNF](#)

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